

### Abstract

A cutting balloon catheter and methods for making and using the same. The cutting balloon catheter may include a catheter shaft having a balloon coupled thereto. One or more cutting members or blades may be coupled to the balloon. Manufacturing  
5 the cutting balloon catheter may include partially submerging or embedding a cutting member within a joining member and attaching the joining member to a balloon. The cutting member may include one or more slots along its base that can interlock with the joining member.

**CERTIFICATE UNDER 37 C.F.R. 1.10:** The undersigned hereby certified that this paper or papers, as described herein are being deposited in the United States Postal Service, "Express Mail Post Office to Addressee" having an Express Mail mailing label number of: EV 315613643 US, in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 8th day of April 2004.

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